

030

age/0520

# 10



OIPE

ENTERED

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/10/016,248

DATE: 09/27/2002 p.6  
 TIME: 14:02:41

Input Set : A:\CURA518U.txt  
 Output Set: N:\CRF4\09272002\J016248.raw

3 <110> APPLICANT: Alsobrook et al.  
 5 <120> TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same  
 7 <130> FILE REFERENCE: 21402-218  
 9 <140> CURRENT APPLICATION NUMBER: 10/016,248  
 C--> 10 <141> CURRENT FILING DATE: 2002-09-20  
 12 <150> PRIOR APPLICATION NUMBER: 60/254,329  
 13 <151> PRIOR FILING DATE: 2000-12-08  
 15 <150> PRIOR APPLICATION NUMBER: 60/291,037  
 16 <151> PRIOR FILING DATE: 2001-05-15  
 18 <150> PRIOR APPLICATION NUMBER: 60/255,648  
 19 <151> PRIOR FILING DATE: 2000-12-14  
 21 <150> PRIOR APPLICATION NUMBER: 60/297,173  
 22 <151> PRIOR FILING DATE: 2001-06-08  
 24 <150> PRIOR APPLICATION NUMBER: 60/309,258  
 25 <151> PRIOR FILING DATE: 2001-07-31  
 27 <150> PRIOR APPLICATION NUMBER: 60/326,393  
 28 <151> PRIOR FILING DATE: 2001-10-01  
 30 <150> PRIOR APPLICATION NUMBER: 60/315,639  
 31 <151> PRIOR FILING DATE: 2001-08-29  
 33 <160> NUMBER OF SEQ ID NOS: 167  
 35 <170> SOFTWARE: PatentIn Ver. 2.1  
 37 <210> SEQ ID NO: 1  
 38 <211> LENGTH: 10136  
 39 <212> TYPE: DNA  
 40 <213> ORGANISM: Homo sapiens  
 42 <400> SEQUENCE: 1  
 43 atggcggcgc cccctccccc cgccttgctg ctgccttgca gtttgatctc agactgctgt 60  
 44 gtagcaatc agcagacactc cgtggcgta ggaccctccg agctagtcaa gaagcaaatt 120  
 45 gagttgaatc ctcgaggtgt gaagctgatg cccagcaaaag acaacagccca gaagacgtct 180  
 46 gtgttaactc aggttgggtgt gtcccaagga cataatatgt gtccagaccc tggcatacc 240  
 47 gaaaggggca aaagactagg ctcggatttc aggttagat ccagcgttca gttcacctgc 300  
 48 aacgagggtt atgacctgca agggtccaag cggatcacct gtatgaaagt gagcgcacatg 360  
 49 tttgcggcct ggaggcgacca caggccagtc tgccgagccc gcatgtgtga tgcccacctt 420  
 50 cgaggccctt cgggcatcat cacccccc aattccccca ttcaatgtca caacaatgca 480  
 51 cactgtgtgtt ggatcatcac agcaactcaac ccctccaagg tgatcaagct cgcctttgag 540  
 52 gagtttgatt tggagagggg ctatgacacc ctgacggctg gtatgggtgg tcaggatggg 600  
 53 gaccagaaga cagtctcta catgtctcaa aatgcctgca gtgcacagccc tcacacccca 660  
 54 ggctctcgca tcccagagag catgtctgg gacatctgga ggcagaaaatg gactgtactt 720  
 55 gagatctgtc gtgacattag cagttcagat gcaaggtcag gttcagtgag gaagtctcca 780  
 56 aagacttcta atgctgtgga acttggctgct cctgggacag agatcgagca gggcagttgc 840  
 57 ggtgaccctg gcataccctgc atatggccgg agggaaaggct cccgggttca ccacggtgac 900  
 58 acactcaagt ttgagtgcca gccccccctt gagctgggtgg gacagaaggc aatcacatgc 960  
 59 caaaaagaata accaatggtc ggctaagaag ccaggctgcg tggctccctg cttttcaac 1020

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/016,248

DATE: 09/27/2002  
TIME: 14:02:41

Input Set : A:\CURA518U.txt  
Output Set: N:\CRF4\09272002\J016248.raw

60 ttcaccagcc cgtctgggt tgcctgtct cccaaactacc cagaggacta tggcaaccac 1080  
61 ctccactgtg tctggotcat cctggccagg cctgagagcc gcatccaccc ggccttcaac 1140  
62 gacattgacg tggagcctca gtttgcattc ctggcatca aggatggggc caccggcag 1200  
63 ggcggcgtcc tgggcacett ctcaggaaac cagctccct cctccatcac aagcagtggc 1260  
64 cacgtggccc gtctcgagtt ccagactgac cactccacag ggaagagggg cttcaacatc 1320  
65 acttttacca cttccgaca caacgagtgc cggatcctg gcgttccagt aaatggcaa 1380  
66 cggtttgggg acagctcca gctgggcagg tccatctct tcctctgtga tgaaggcttc 1440  
67 ctgggactc agggctcaga gaccatcacc tgcgttctga aggagggcag cgtggctgg 1500  
68 aacagcgtg tgctcggtg tgaagctccc tgggtggtc acctgacttc gcccagcggc 1560  
69 accatcctct ctcgggctg gcttggctt tacaaggatg ctttgcgtg tgcctgggtg 1620  
70 attgaggccc agccaggcta cccatcaaa atcacccatc acagattcaa aaccgaggc 1680  
71 aactatgaca ccctgaaagt acgcgttggg cggacttact cagcgccctt gatcggggtt 1740  
72 taccacggga cccagggtcc ccagttccatc atcagcacca gcaactaccc ttcacccctc 1800  
73 ttctctaccg acaagagtca ctcggacatc ggcttccagc tccgctatga gactataaca 1860  
74 ctgcagtctg accactgtct ggttccagga atcccaatc atggacagcg tcatggaaat 1920  
75 gacttctacg tgggcgcgt ggttgcattc agctgtgact cgggttacac attaagtgac 1980  
76 gggagccctc tggaggtgtt gcccaacttc cagttggaccc gggcccttgcg cagtgtgaa 2040  
77 gcttctgtg gtggcttcat tcaaggctcc agtggacca tcttgcgttgcg agggttccct 2100  
78 gacttctacc ccaacaactt gaactgcacc tggattatcg aaacatctca tggcaagggt 2160  
79 gtgttcttca ctttccacac cttccacatc gaaagtggcc atgactaccc ctcacccatc 2220  
80 gagaacggca gtttccacca gcccctgagg cagctaaatc gatctcggtt gccagctccc 2280  
81 atcagcgttgg ggttctatgg caacttactt gcccagggtcc gtttcatctc tgatttctcc 2340  
82 atgtcatatg aaggattcaa catcacccatc tcagagtacg acttggagcc ctgtgaggag 2400  
83 cccgagggtcc cagccatcag catccggaaag ggcttgcagt ttggcgtgg cgacacccctt 2460  
84 accttctccat gtttccccgg gtaccgtctg gagggcaccg cccgcacatc gtgcctgggg 2520  
85 ggcagacggc gcttgggag ctgcctctg ccaagggtgtt ttgctgagtg tggaaattca 2580  
86 gtcacaggca ctcagggtac ttgttgcattc cccaaacttcc ctgtgaacta caataacaat 2640  
87 catgaatgca tctactccat ccagacccatc ccaggaaagg gaattcagttt gaaagccagg 2700  
88 gcatcgaac tctccgaagg agatgttccat aagttttagt atggcaacaa caactccggcc 2760  
89 cgtttgttgg gagtttttagt ccattctgat atgatgggg tgactttgaa cagcacatcc 2820  
90 agcagtctgtt ggttgcattt catcaactgtat gctgaaaaca ccagcaagggtt ctttgcact 2880  
91 cacttttcca gcttgcattt catcaaatgtt gaggacccatc gaaaccccaat gtttgcgttac 2940  
92 aagggttcatg atgaagggtca ttttgcaggag agtccgtgtt ctttgcgttgcg tgacccttgcg 3000  
93 tacagccttc ggggtgttga ggagctgttgc ttttgcaggatg gagagcgcgg gacccgggac 3060  
94 cggcctcttc ccacccgtgtt cggccagggtt ggaggacccatc tgagaggaga ggttgcgggg 3120  
95 cagggtgttgc tccaggctccat ttttgcaggatg agtccgtgtt ctttgcgttgcg tgacccttgcg 3180  
96 atcgaaggcaaggccctt caccattggg ctacacttcc ttgttgcatttgcg ttttgcaggatg 3240  
97 gttcacgacg tgctgcgttgc ctggatgggg cctgtggaga ggggggttgc gtttgcgttgc 3300  
98 ctgagtggcc cggcccttgcg caaggacccatc catagcacctt tcaactccgtt ctttgcgttgc 3360  
99 ttccatcacttccat cagcaaggccatc ggcttgcatttgcg ttcaatttttgcg ttttgcgttgc 3420  
100 gcaacgttccat gcaatgacccatc tggatgggg cagaatgggg gtttgcgttgc gtttgcgttgc 3480  
101 gaagccggcg actccacatc gtttgcgttgc gtttgcgttgc gggaaatgttgc 3540  
102 gagatcagtttgcgttgc gtttgcgttgc gtttgcgttgc gtttgcgttgc 3600  
103 atcgttccatc gggggggatc ctttgcaggatg ccatttgcgttgc ttttgcgttgc 3660  
104 ccagaacccatc accccggccatc caaggatgttgc gtttgcgttgc accccggccatc 3720  
105 gtcatcgcccc tggatggggatc catccatc ttttgcgttgc gtttgcgttgc 3780  
106 tacgacggac gggacttccat ctttgcgttgc ataggatgttgc ttttgcgttgc 3840  
107 ggccgcatttgc gtttgcgttgc caacagccatc ttttgcgttgc ttttgcgttgc 3900  
108 agcaatgacccatc gtttgcgttgc ttttgcgttgc gtttgcgttgc 3960

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/016,248

DATE: 09/27/2002  
TIME: 14:02:41

Input Set : A:\CURA518U.txt  
Output Set: N:\CRF4\09272002\J016248.raw

109 ggttccatca agaacggcac acgggtgggg tccgacctga agctgggctc ctccgtcacc 4020  
110 tactactgcc acgggggcta cgaagtttag ggcacctcg ccctgagctg catcctgggg 4080  
111 cctgatggga agcccgtgtg gaacaatccc cggcagact gcacagcccc ctgtggggga 4140  
112 cagtatgtgg gttcggacgg agtggtctg tcccccaact acccccaagaa ctacaccagt 4200  
113 ggacagatct gcttgatattt tgttactgtg cccaaaggact atgtggtgtt tggccagttc 4260  
114 gccttccttc acacggccct caacgcacgtg gtggaggttc acgacggcca cagccagcac 4320  
115 tcgcccgtcc tcaagtcctc ctcggcgtcc catacaggag aatcaactgccc cttggccacc 4380  
116 tccaaatcaag ttctcattaa gttcagcgcc aaaggcctcg caccagccag aggcttccac 4440  
117 tttgtctacc aagggttcc tcgaaccaggc gccacgcagt gcagctctgt gccggaaccc 4500  
118 cgctatggca agaggctggg cagtacttc tcgggtgggg ccatcgccg cttcgaatgc 4560  
119 aactccggct atgcctcgca ggggtcgcca gagatcgagt gcctccctgt gcctggggcc 4620  
120 ttggcccaat ggaatgtctc agcgcacccacg tttgtgggtc cgtgtggagg caacctcaca 4680  
121 gagcgcaggg gcaccatcct gttccctggc ttcccaaggc cgtacctcaa cagcctcaac 4740  
122 tttgtgtggc agatcggtt ccccgaaaggc gctggcatcc agatccaagt tttttttt 4800  
123 gtgacagagc agaactggga ctcgctggaa gtatttgatg gtgcagataa cactgttaacc 4860  
124 atgctggggg gtttctcagg aacaaccgtg cctgccttc tgaacagcac ctccaaccag 4920  
125 ctctacccctc atttctactc agatatcagc gtatctgcag ctggcttcca cttggagtagc 4980  
126 aaaacgggtt ggctgagcag ttgtccggaa cctgctgtgc ccagtaacgg ggtgaagact 5040  
127 ggcgagcgt acttggtaa tgatgtgggt tcttccagt gtgagccggg atatgcctc 5100  
128 cagggccacg cccacatctc ctgcgtgccc ggaacagtgc ggcgatgaa ctaccctcct 5160  
129 ccactctgtt ttgcacagtg tggggaaaca gtggaggaga tggaggggt gatcctgagc 5220  
130 cccggcttcc caggaacta ccccaacta atggactgct cctggaaaat agcaactgccc 5280  
131 gtgggcttg gagtcacat ccagttctg aacttctcca ccgagccaa ccacgactac 5340  
132 atagaaaatcc ggaatggccc ctatgagacc agccgcatttga tgggaagatt cagtggaagc 5400  
133 gagttccaa gtccttcct ctccacgtcc cacgagacca ccgtgttattt ccacagcgac 5460  
134 cactcccaaga atcggccagg attcaagctg gagtatcagg cctatgaact tcaagagtgc 5520  
135 ccagacccacg agcccttgc caatggcatt gtggggggag ctggctacaa cgtggaccaa 5580  
136 tcagtgact tcgacttcct cccggggat caatttactg gccaccctgt ctcacgtgt 5640  
137 caacatggca ccaacccggaa ctgggaccac cccctgccc agtgtgaagt cccttgcgc 5700  
138 gggaaacatca cttcttccaa cggcaactgtg tactccccgg gttccctag cccgtactcc 5760  
139 agctcccagg actgtgtctg gctgatcacc gtggccatttgc gccatggcgt ccgcctcaac 5820  
140 ctcagccttc tgcagacaga gcccctctggaa gatttcatca ccatctggga tggccacag 5880  
141 caaaacagcac cacgctcgg cgtcttcacc cggagcatgg ccaagaaaac agtgcagagt 5940  
142 tcatacccaacc aggtcctgtc caagttccac cgtgatgcag ccacaggggg gatcttcgccc 6000  
143 atagtttcttcc cccgttatcc actcacaaaa tgccttcctc ccaccatctt ccccaacgc 6060  
144 gaagtctgtca cagagaatga agaattcaat ataggtgaca tcgtacgcta cagatgcctc 6120  
145 cctggcttta ctttagtggtt gaaatggaaatt ctgacctgca aacttggaaac ctacctgcag 6180  
146 tttgaaggac caccggccat atgtgaagt cactgtccaa caaatgagct tctgacagac 6240  
147 tccacaggcg tgatctgtc ccagagactac cctggaaagct atccccaggat ccagacctgc 6300  
148 tcttggctgg tgagagtggaa gcccggactat aacatctccc tcacagtggaa gtacttcctc 6360  
149 agcgagaagc aatatgtga gtttgagatt tttgtggtc catcaggaca gagtctctg 6420  
150 ctgaaagccc tcagtgggaa ttactcagct cccctgatttgc tcaccagctc aagcaactct 6480  
151 gtgtaccttc gttggctatc tgatcaccc tacaatcgga agggcttcaa gatccgctat 6540  
152 tcagccccctt actgcagccct gcccagggtt ccactccatg gtttccatctt aggccagacc 6600  
153 agcacccacg ccgggggctc catccacattt ggctgcaacg ccggcttaccg cttgggggaa 6660  
154 cacagcatgg ccatctgtac ccggcaccccc caggctacc acctgtggag cgaagccatc 6720  
155 cctctctgtc aagcttttc ctgtgggtt cctgaggccc ccaagaatgg aatgggtttt 6780  
156 ggcaaggagt acacagtggg aaccaaggcc gtgtacagct gcagtgaaagg ctaccacctc 6840  
157 caggcaggcg ctgaggccac tgcagagtgt ctggacacag gcctatggag caacccgcaat 6900

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/016,248

DATE: 09/27/2002  
TIME: 14:02:41

Input Set : A:\CURA518U.txt  
Output Set: N:\CRF4\09272002\J016248.raw

158 gtcccaccac agtgtgtccc ttgtacttgt cctgatgtca gtagcatcatcg cgtggagcat 6960  
159 ggccgatgga ggcttatctt tgagacacag tatcagtcc aggcccagct gatgctcatc 7020  
160 ttgtaccctg gctactacta tactggccaa agggtcatcc gctgtcaggc caatggcaaa 7080  
161 tggagcctcg gggactctac gcccacctgc cgaatcatct cctgtggaga gctcccgatt 7140  
162 ccccccataatg gccacccgcat cggAACACTG tctgtctacg gggcaacacgc catcttctcc 7200  
163 tgcaattccg gatacacact ggtggctcc agggtgcgtg agtgcatggc caatggctc 7260  
164 tggagtggct ctgaagtccg ctgccttgct ggacactgtg ggactcctga gcccattgtc 7320  
165 aacggacaca tcaatgggaa gaactacagc taccgggca gtgtgggtta ccaatgcaat 7380  
166 gctggcttcc gcctgatcggt catgtctgtg cgcatctgcc agcaggatca tcactggctg 7440  
167 ggcaagaccc ctttctgtgt gccaattacc tgtggacacc caggcaaccc tgtcaacggc 7500  
168 ctcactcagg gtaaccaggta taacctcaac gatgtggta agtttggttt caaccctggg 7560  
169 tatatggctg agggggctgc taggtcccaa tgcctggca gcgggcaatg gagtgacatg 7620  
170 ctgcccaccc gcagaatcat caactgtaca gatcctggac accaagaaaa tagtggctgt 7680  
171 cagggtccacg ccagcggccc gcacagggtc agctcggca ccactgtgtc ttaccgggtc 7740  
172 aaccacggct tctacccctt gggcacccca gtgcctcagct gccaggagaa tggcacatgg 7800  
173 gaccgtcccc gcccccaagt tctcttgggt tcctgtggcc atccgggctc cccgcctcac 7860  
174 tcccagatgt ctggagacag ttatactgtg ggagcagttt tgccgtacag ctgcacatggc 7920  
175 aagcgtactc tgggtggaaa cagcacccgc atgtgtggc tggatggaca ctggactggc 7980  
176 tccctccctc actgctcagg aaccagcgtg ggagtttgcg gtgaccctgg gatccggct 8040  
177 catggcatcc gtttggggaa cagctttgtat ccaggcactg tgatgcgtt cagctgtgaa 8100  
178 gctggccacg tgctccgggg atcgtcagag cgcacactgtc aagccaatgg ctctggagc 8160  
179 ggctcgcaacg ctgagttgtgg agtgcattct tgcggaaacc ctgggactcc aagtaatgcc 8220  
180 cgagttgtgt tcagtgatgg cctggtttc tccagctcta tcgtctatga gtggcgggaa 8280  
181 gataactacg ccacaggcct gctcagccgt cactgtctgg tcaatggta ctggacaggc 8340  
182 agtgaccctg agtgccctgt cataaaactgt ggtgaccctg ggattccagc caatggcctt 8400  
183 cggctggca atgacttcag gtacaacaaa actgtgacat atcagtgtgt ccctggctat 8460  
184 atgatggagt cacatagagt atctgtctgt agctgcacca aggaccggac atgaaatgga 8520  
185 accaagcccg tctgcaaagc tctcatgtgc aagccaccc cgctcatccc caatgggaag 8580  
186 gtgggtgggt ctgacttcat gtggggctca agtgcactt atgcctggct ggaggggtac 8640  
187 cagctctccc tgcccgccgt gttcacctgt gagggaaatg ggtctggac cggagagctg 8700  
188 cctcagttt tccctgtgtt ctgcggggat cctgggtgtcc cgtccctgg gaggagagag 8760  
189 gacccgggt tctcttacag gtcatctgtc tccttctctt gccatcccc tctgggtctg 8820  
190 gtgggtcttc cacccagggtt ttgccagttca gatggggacat ggagtggcac ccagcccagc 8880  
191 tgcatacgtc cgaccctgac cacgtgtgcg gaccctggc tgccacagtt tggatacag 8940  
192 aacaattctc agggctacca ggttggaaac acagtcctct tccgttgc aaaaaggctac 9000  
193 ctgcttcagg gctccaccac caggacctgc ctcccaaacc tgacctggag tggaaacccca 9060  
194 ctcgtactgt tccccccacca ctgcaggcag ccagagacgc caacgcacatc caacgtcggg 9120  
195 gcccggatt tgccctccat gggctacacg ctcattactc ctgcaggag ggcttctccc 9180  
196 tcaagggtgg ctccgagcac cgacactgcg aggccggatgg cagctggaca ggcaagccgc 9240  
197 ccatctgcct ggagttccgg cccactgtggaa gaccatcaa cactgcccgg gagccaccgc 9300  
198 tcacccaaacg cttgattctt gggatgttt ttggcaagaa ttccctgtgg aaaggggctt 9360  
199 atgaaatcca gggaaagaag cagccagcca tgctcagat gactggctc caagttgcca 9420  
200 acagcaaggt caatgccacc atgatcgacc acagtggctg ggagctgcac ttggctggaa 9480  
201 cttacaagaa agaagatttt catctccatc tccaggtgtt ccagattaca gggccctgtgg 9540  
202 agatctttat gaataaaggatc aaagatgtatc actgggtttt agatggccat gtctcgatc 9600  
203 agtcctccgg agccacccatc atctaccaag gctctgtcaa gggccaaaggc tttggggcagt 9660  
204 tcggcttca aagactggac ctcaggctgc tggagtccaga ccccgagttcc attggccggc 9720  
205 actttgtttc caacacggc gtcgtggcag ccgcgtatcc ggtgccttcc atgccttc 9780  
206 ttattgcggg cttcgtgtc tatctctaca agcacaggag aagacccaaa gttcccttca 9840

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/016,248

DATE: 09/27/2002  
TIME: 14:02:41

Input Set : A:\CURA518U.txt  
Output Set: N:\CRF4\09272002\J016248.raw

207 atggctatgc tggccacgag aacaccaatg ttcgggcccac atttgagaac ccaatgtacg 9900  
 208 accgcaacat ccagccccaca gacatcatgg ccagcgaggc ggagttcaca gtcagcacag 9960  
 209 tgtgcacagc agtatacgca cccggcctgg ccgcctttt tgcttaggttg aactggtaact 10020  
 210 ccagcagccg ccgaagctgg actgtactgc tgccatctca gctcactgca acctccctgc 10080  
 211 ctgattcccc tgcctcagcc tgccgagtgc ctgcgattgc aggcgcgcac cgccac 10136  
 214 <210> SEQ ID NO: 2  
 215 <211> LENGTH: 3104  
 216 <212> TYPE: PRT  
 217 <213> ORGANISM: Homo sapiens  
 219 <400> SEQUENCE: 2  
 220 Met Ala Gly Ala Pro Pro Pro Ala Leu Leu Leu Pro Cys Ser Leu Ile  
 221 1 5 10 15  
 223 Ser Asp Cys Cys Ala Ser Asn Gln Arg His Ser Val Gly Val Gly Pro  
 224 20 25 30  
 226 Ser Glu Leu Val Lys Lys Gln Ile Glu Leu Lys Ser Arg Gly Val Lys  
 227 35 40 45  
 229 Leu Met Pro Ser Lys Asp Asn Ser Gln Lys Thr Ser Val Leu Thr Gln  
 230 50 55 60  
 232 Val Gly Val Ser Gln Gly His Asn Met Cys Pro Asp Pro Gly Ile Pro  
 233 65 70 75 80  
 235 Glu Arg Gly Lys Arg Leu Gly Ser Asp Phe Arg Leu Gly Ser Ser Val  
 236 85 90 95  
 238 Gln Phe Thr Cys Asn Glu Gly Tyr Asp Leu Gln Gly Ser Lys Arg Ile  
 239 100 105 110  
 241 Thr Cys Met Lys Val Ser Asp Met Phe Ala Ala Trp Ser Asp His Arg  
 242 115 120 125  
 244 Pro Val Cys Arg Ala Arg Met Cys Asp Ala His Leu Arg Gly Pro Ser  
 245 130 135 140  
 247 Gly Ile Ile Thr Ser Pro Asn Phe Pro Ile Gln Tyr Asp Asn Asn Ala  
 248 145 150 155 160  
 250 His Cys Val Trp Ile Ile Thr Ala Leu Asn Pro Ser Lys Val Ile Lys  
 251 165 170 175  
 253 Leu Ala Phe Glu Glu Phe Asp Leu Glu Arg Gly Tyr Asp Thr Leu Thr  
 254 180 185 190  
 256 Val Gly Asp Gly Gly Gln Asp Gly Asp Gln Lys Thr Val Leu Tyr Met  
 257 195 200 205  
 259 Ser Gln Asn Ala Cys Ser Asp Ser Pro His Thr Pro Gly Ser Arg Ile  
 260 210 215 220  
 262 Pro Glu Ser Met Ser Gly Asp Ile Trp Arg Gln Lys Trp Thr Val Leu  
 263 225 230 235 240  
 265 Glu Ile Cys Arg Asp Ile Ser Ser Ser Asp Ala Arg Ser Gly Ser Val  
 266 245 250 255  
 268 Arg Lys Ser Pro Lys Thr Ser Asn Ala Val Glu Leu Val Ala Pro Gly  
 269 260 265 270  
 271 Thr Glu Ile Glu Gln Gly Ser Cys Gly Asp Pro Gly Ile Pro Ala Tyr  
 272 275 280 285  
 274 Gly Arg Arg Glu Gly Ser Arg Phe His His Gly Asp Thr Leu Lys Phe  
 275 290 295 300  
 277 Glu Cys Gln Pro Ala Phe Glu Leu Val Gly Gln Lys Ala Ile Thr Cys

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/016,248

DATE: 09/27/2002  
TIME: 14:02:42

Input Set : A:\CURA518U.txt  
Output Set: N:\CRF4\09272002\J016248.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:86; Xaa Pos. 1

VERIFICATION SUMMARY  
PATENT APPLICATION: US/10/016,248

DATE: 09/27/2002  
TIME: 14:02:42

Input Set : A:\CURA518U.txt  
Output Set: N:\CRF4\09272002\J016248.raw

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:12929 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86 after pos.:0